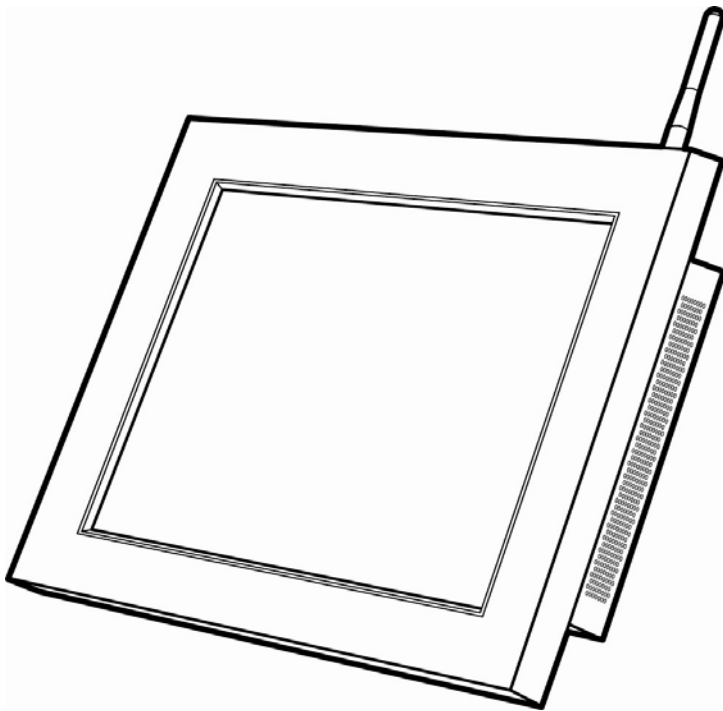


User Manual

Version 2.0 June 2011

Metal Panel PC



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Manual Version 2.0
Part Number: 3LMKK7800120

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Safety

IMPORTANT SAFETY INSTRUCTIONS

1. To disconnect the machine from the electrical Power Supply, turn off the power switch and remove the power cord plug from the wall socket. The wall socket must be easily accessible and in close proximity to the machine.
2. Read these instructions carefully. Save these instructions for future reference.
3. Follow all warnings and instructions marked on the product.
4. Do not use this product near water.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.
7. This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
8. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
9. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

CE MARK



This device complies with the requirements of the EEC directive 2004/108/EC with regard to “Electromagnetic compatibility” and 2006/95/EC “Low Voltage Directive”

FCC

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation

CAUTION ON LITHIUM BATTERIES

There is a danger of explosion if the battery is replaced incorrectly. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.



Battery Caution

Risk of explosion if battery is replaced by an incorrectly type.
Dispose of used battery according to the local disposal instructions.



Safety Caution

Note: To comply with IEC60950-1 Clause 2.5 (limited power sources, L.P.S) related legislation, peripherals shall be 4.7.3.2 "Materials for fire enclosure" compliant.

4.7.3.2 Materials for fire enclosures

For MOVABLE EQUIPMENT having a total mass not exceeding 18kg, the material of a FIRE ENCLOSURE, in the thinnest significant wall thickness used, shall be of V-1 CLASS MATERIAL or shall pass the test of Clause A.2.

For MOVABLE EQUIPMENT having a total mass exceeding 18kg and for all STATIONARY EQUIPMENT, the material of a FIRE ENCLOSURE, in the thinnest significant wall thickness used, shall be of 5VB CLASS MATERIAL or shall pass the test of Clause A.1

LEGISLATION AND WEEE SYMBOL

2002/96/EC Waste Electrical and Electronic Equipment Directive on the treatment, collection, recycling and disposal of electric and electronic devices and their components.



The crossed dustbin symbol on the device means that it should not be disposed of with other household wastes at the end of its working life. Instead, the device should be taken to the waste collection centers for activation of the treatment, collection, recycling and disposal procedure.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract.

This product should not be mixed with other commercial wastes for disposal.

Revision History

Changes to the original user manual are listed below:

Version	Date	Description
1.0	Mar. 2009	Initial release
1.1	Sep. 2009	- MB updated from C36A v0.9 to v1.1 - Jumper Setting updated
1.2	Oct. 2009	- Remove wall mount kit - WLAN spec changes 802.11 b/g → 802.11 b/g/n
1.3	Dec 2010	- Add New Stand (Generation 2) - Add Fingerprint, iButton, RFID
2.0	June 2011	C46 MB added

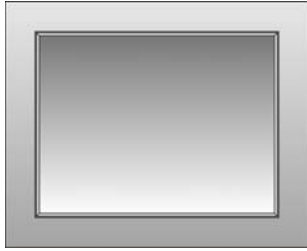
Table of Contents

1 Package Checklist	1
1-1 Standard items.....	1
1-2 Optional items	2
2 System View	3
3 System Assembly & Disassembly.....	5
3-1 Open the System Box.....	5
3-2 Replace the HDD.....	6
3-3 Install a WLAN	7
3-4 Install a pSSD Card	9
3-5 Install a Cash Drawer.....	10
3-6 Replace the Motherboard.....	12
3-7 Replace the Inverter board.....	14
3-8 Install Fingerprint, iButton, RFID.....	15
4 Specification	16
5 Jumper Settings.....	18
5-1 C36A V1.1 Motherboard.....	18
5-2 C46 Motherboard.....	23
Appendix.....	32

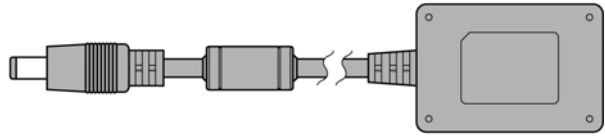
1 Package Checklist

1-1 Standard items

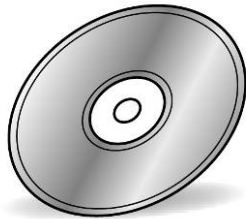
a.



d.



b.



e.



c.



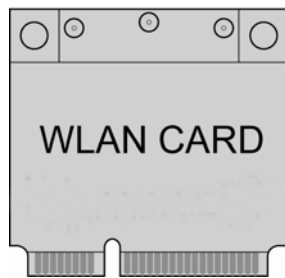
f.



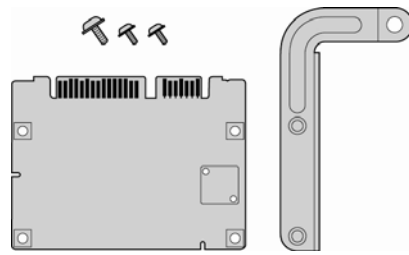
- a. System
- b. Driver bank
- c. User manual
- d. power adapter
- e. power cord
- f. RJ45 to DB9 cable (x2)

1-2 Optional items

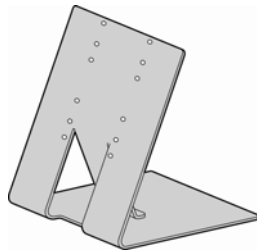
a.



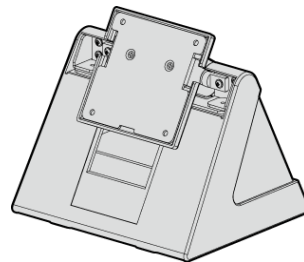
b.



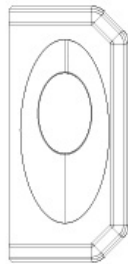
c.



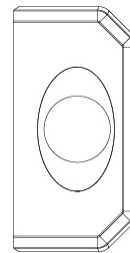
d.



e.



f.



g.



a. WLAN card

b. pSSD card

c. Metal stand

d. Stand – 2nd Generation (hereinafter called “2nd Gen. Stand”)

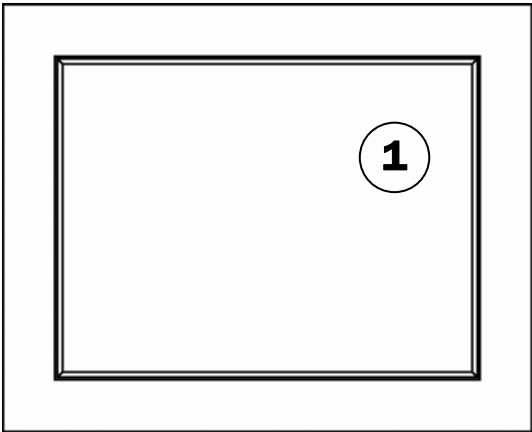
e. Fingerprint

f. iButton

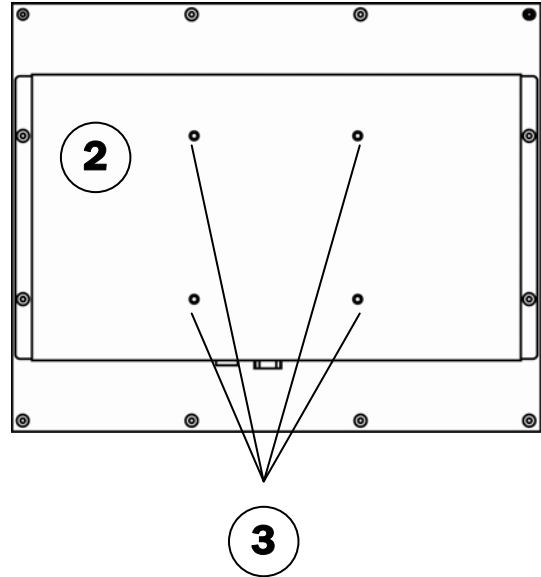
g. RFID

2 System View

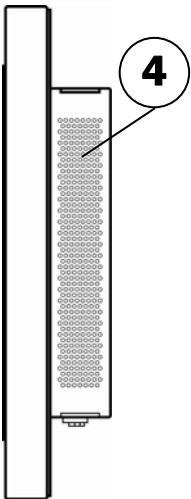
Front View



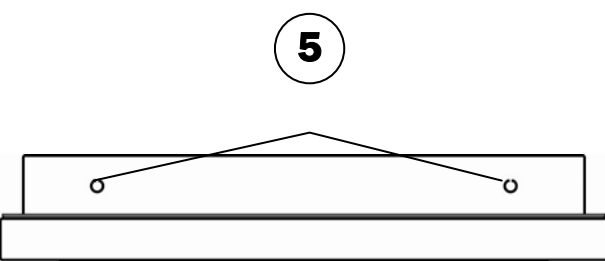
Rear View



Side View

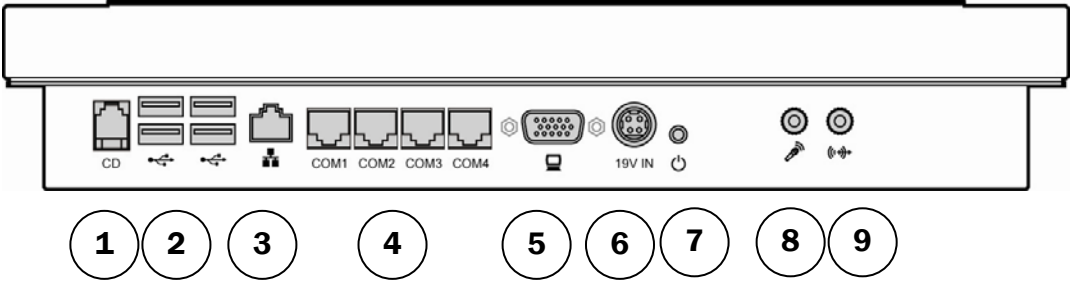


Top View



No.	Description
1	Touch screen
2	System box
3	VESA mount holes
4	Ventilation
5	External antenna holes

Rear I/O View

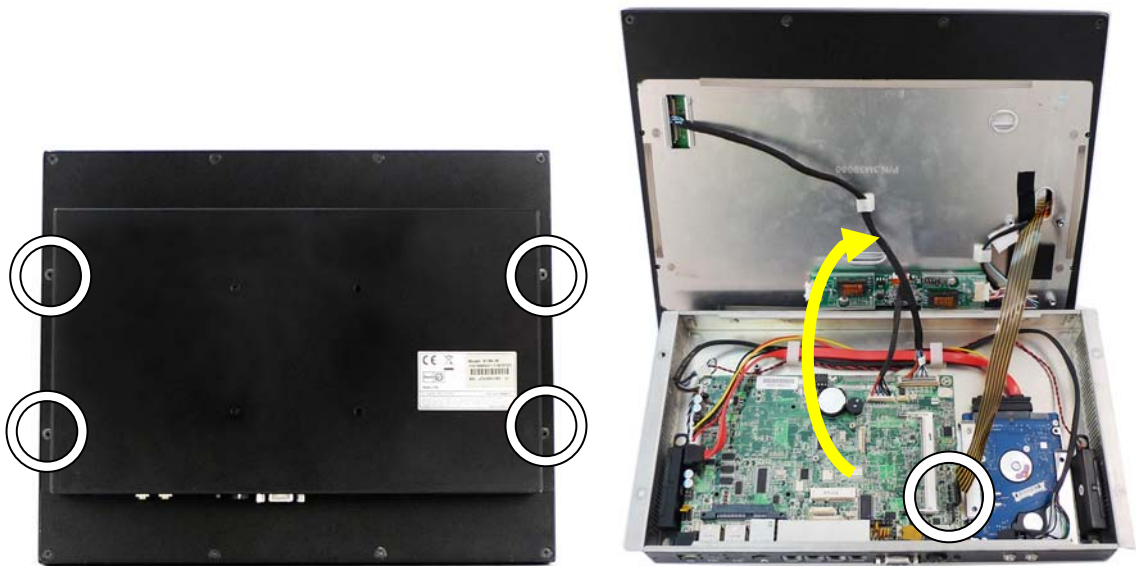


No.	Description
1	Cash drawer port
2	USB (x4)
3	LAN (10 / 100/1000)
4	COM Port 1,2,3,4 (From left to right)
5	2nd VGA
6	DC jack
7	Power button
8	MIC-in (only for 10.4" and 12.1")
9	Line-out (only for 10.4" and 12.1")

3 System Assembly & Disassembly

3-1 Open the System Box

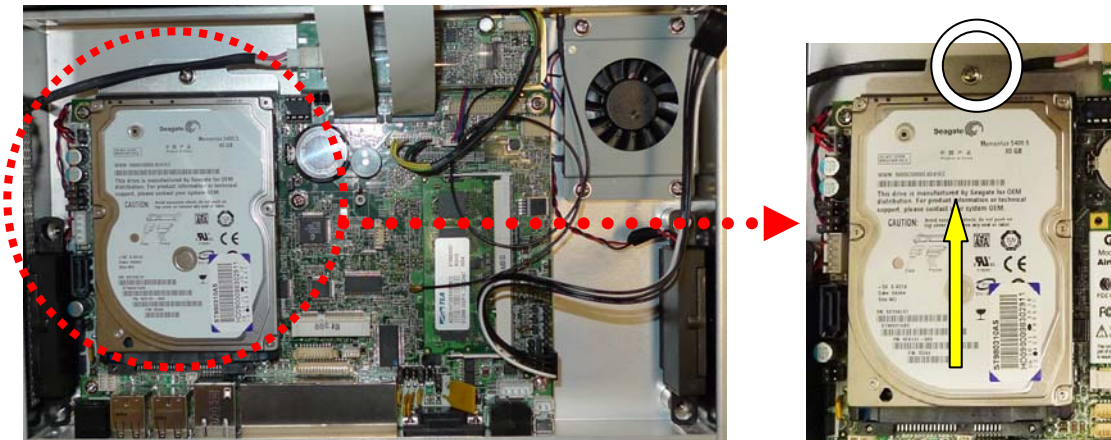
To access the Motherboard, HDD or install the WLAN and pSSD card, you need to open the system box first which is located in the rear cover of the LCD panel. The procedure of opening the system box as below:



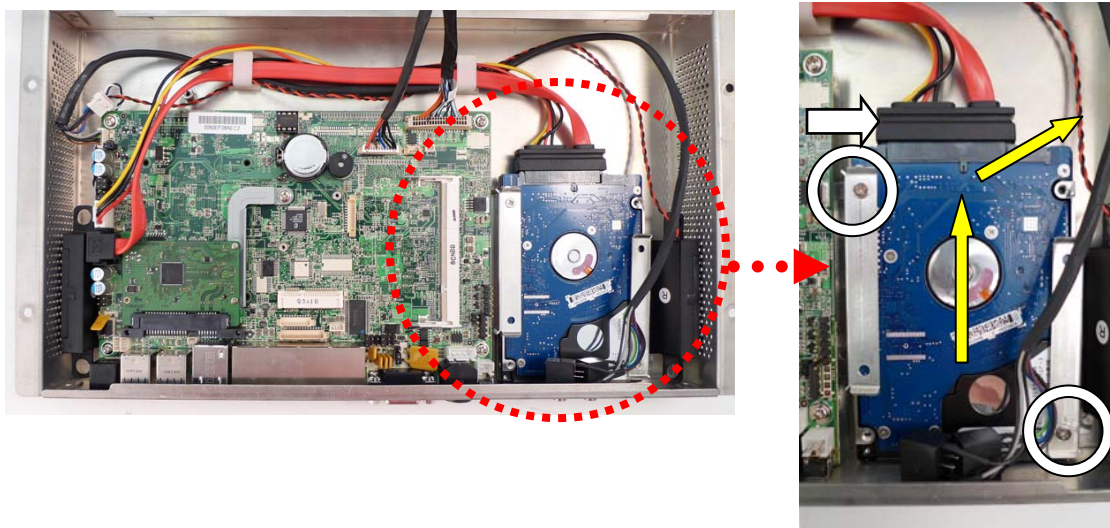
1. Unfasten the screws (x4)
2. Gently flip up the LCD panel with touch module due to various connectors connecting to the motherboard.

3-2 Replace the HDD

For 8.4"/10.4" System

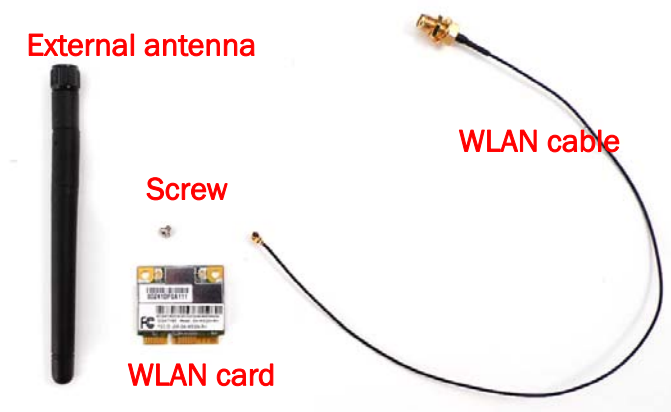


For 12.1" System



1. Open the system box (Chapter 3-1).
2. 8.4", 10.4": Remove the thumb screw (x1) on the rear side of the stand and slide the HDD outward.
12.1": Disconnect the SATA cable and remove the screws (x2) and slide the HDD right front.

3-3 Install a WLAN



WLAN Card Module Accessory:

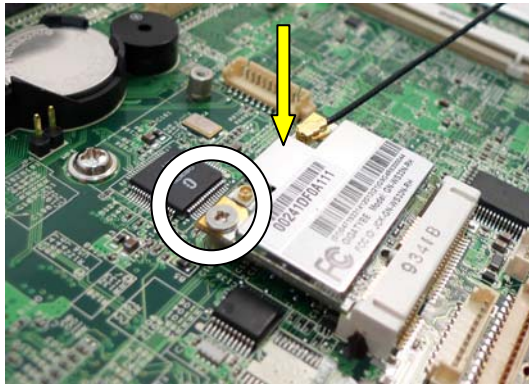
- (1). External antenna x 1
- (2). WLAN card x 1
- (3). Screw x 1
- (4). WLAN cable x 1



1. Open the system box first (Chapter 3-1).
2. Connect the WLAN cable to the “Main Connector” on the WLAN card.



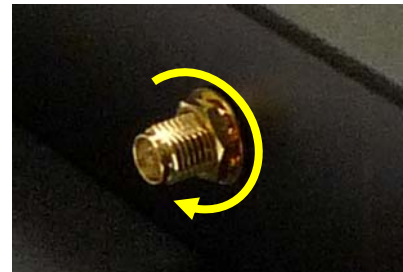
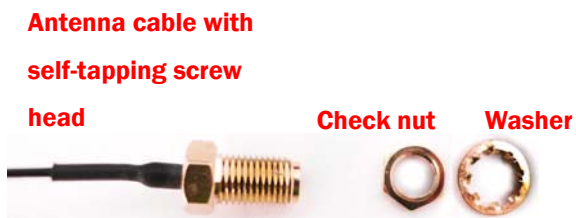
3. Slide the WLAN card into the WLAN card slot.



4. Press down the WLAN and fasten the screw (x1) to fix the WLAN card to the Motherboard.



5. Open the blind hole on the system box.
6. Align and thread the other end of antenna cable through the blind hole.



7. Assembly the antenna cable and rotate the washer to fix the antenna cable to the system box.



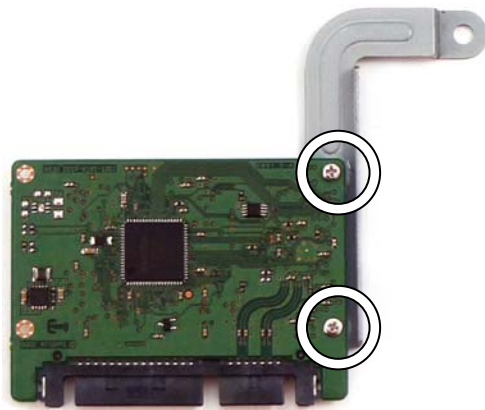
8. Screw the antenna into the screw.

3-4 Install a pSSD Card

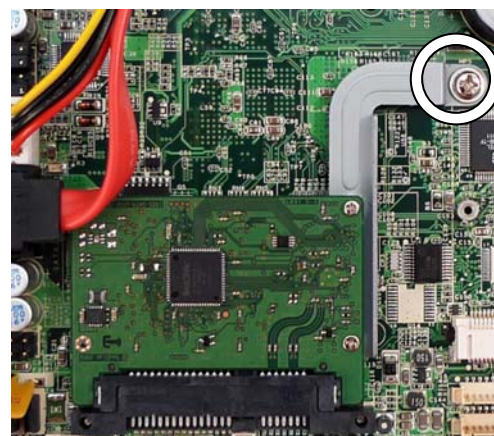
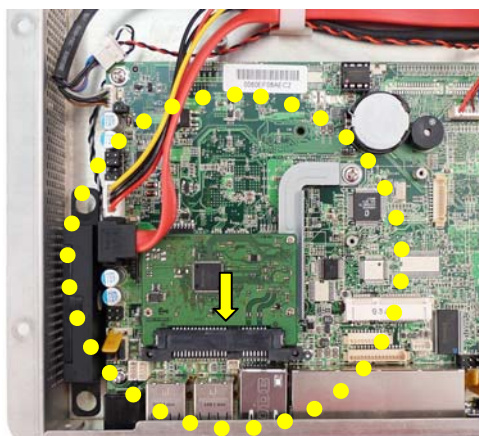


pSSD Card Module Accessory:

- (1). pSSD card x 1
- (2). Screws x 2
- (3). Metal bracket x 1



1. Open the system box first (Chapter 3-1).
2. Assemble the metal bracket and a pSSD card by fastening the screws (x2).
3. Remove the screw (x1) fixing on the motherboard.

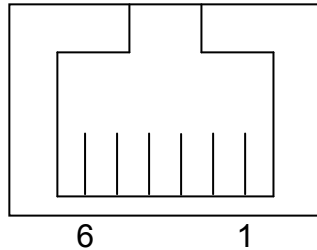


4. Slide the pSSD card module into the pSSD/HDD slot as the position and location as above left picture shows.
5. Screw back the screw (x1) to fix the pSSD module to the motherboard.

3-5 Install a Cash Drawer

You can install a cash drawer through the cash drawer port. Please verify the pin assignment before installation.

Cash Drawer Pin Assignment



Pin	Signal
1	GND
2	DOUT bit0
3	DIN bit0
4	12V / 19V
5	DOUT bit1
6	GND

Cash Drawer Controller Register

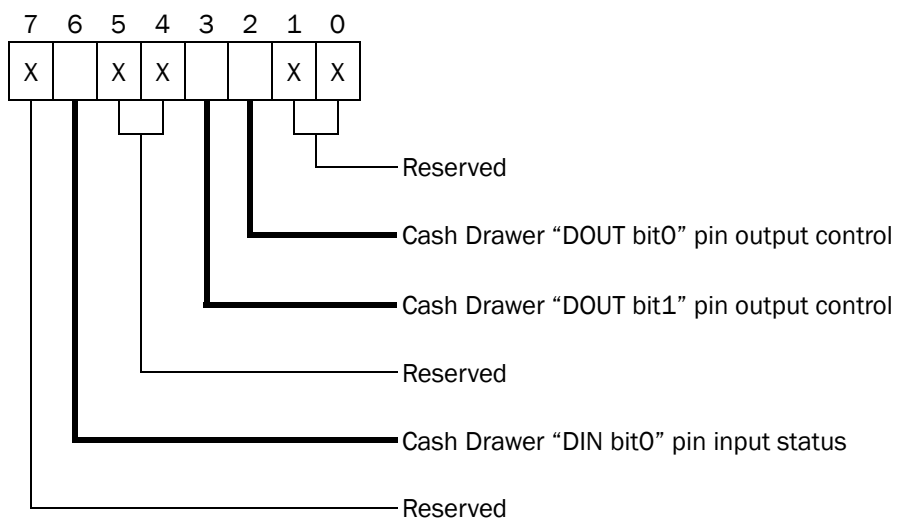
The Cash Drawer Controller use one I/O addresses to control the Cash Drawer.

Register Location: 48Ch

Attribute: Read / Write

Size: 8bit

BIT	BIT7	BIT6	BIT5	BIT4	BIT3	BIT2	BIT1	BIT0
Attribute	Reserved	Read	Reserved		Write		Reserved	



Bit 7: Reserved

Bit 6: Cash Drawer “DIN bit0” pin input status.

= 1: the Cash Drawer closed or no Cash Drawer

= 0: the Cash Drawer opened

Bit 5: Reserved

Bit 4: Reserved

Bit 3: Cash Drawer “DOUT bit1” pin output control.

= 1: Opening the Cash Drawer

= 0: Allow close the Cash Drawer

Bit 2: Cash Drawer “DOUT bit0” pin output control.

= 1: Opening the Cash Drawer

= 0: Allow close the Cash Drawer

Bit 1: Reserved

Bit 0: Reserved

Note: Please follow the Cash Drawer control signal design to control the Cash Drawer.

Cash Drawer Control Command Example

Use Debug.EXE program under DOS or Windows98

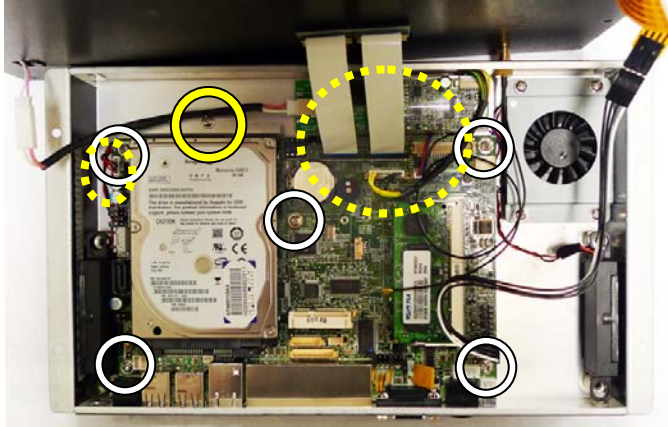
Command	Cash Drawer
O 48C 04	Opening
O 48C 00	Allow to close
➤ Set the I/O address 48Ch bit2 =1 for opening Cash Drawer by “DOUT bit0” pin control. ➤ Set the I/O address 48Ch bit2 = 0 for allow close Cash Drawer.	

Command	Cash Drawer
I 48C	Check status
➤ The I/O address 48Ch bit6 =1 mean the Cash Drawer is opened or not exist. ➤ The I/O address 48Ch bit6 =0 mean the Cash Drawer is closed.	

3-6 Replace the Motherboard

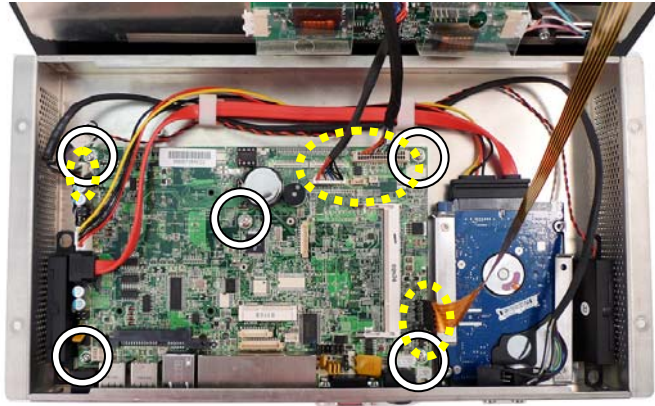
To access the motherboard, you need to open the system box which is attached to the rear of the LCD Panel.

For 8.4" / 10.4" system



1. Open the system box (Chapter 3-1).
2. Disconnect all the connectors connecting on the motherboard (as dotted-line circle shows).
3. Remove the screws (x5) that fix the motherboard to the sheet metal bracket.
4. Remove the HDD screw (x1) to separate the HDD from the motherboard.
5. Remove the hex screws (x2) on the I/O panel.

For 12.1" system



1. Open the system box (Chapter 3-1).
2. Disconnect all the connectors connecting on the motherboard (as dotted-line circle shows).
3. Unfasten the screws (x5) that fix the Motherboard to the sheet metal bracket.
4. Unfasten the hex screws (x2) on the I/O panel.

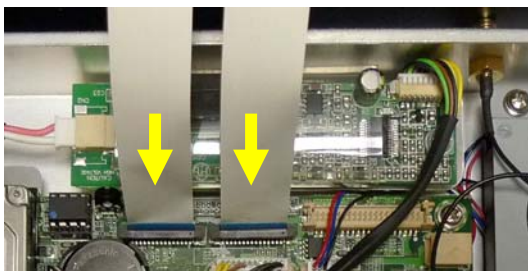
3-7 Replace the Inverter Board

Inverter board may locate according to different system size. Please follow bellow steps to replace the inverter board. Before replace the invert board, you need to open the system box first (see Chapter 3-1).

For 10.4" system

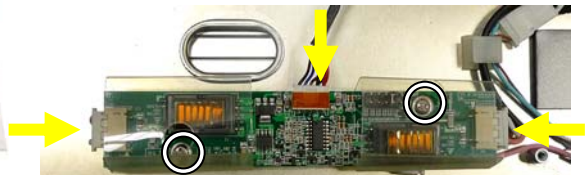
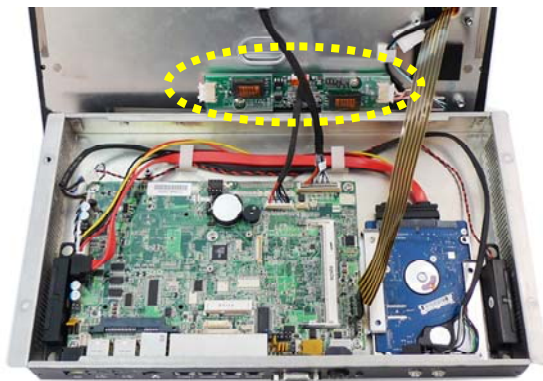


1. Inverter location



2. Disconnect the LCD cable to uncover the inverter board.
3. Disconnect the cables (x2) and remove the screws (x2) on the inverter board.

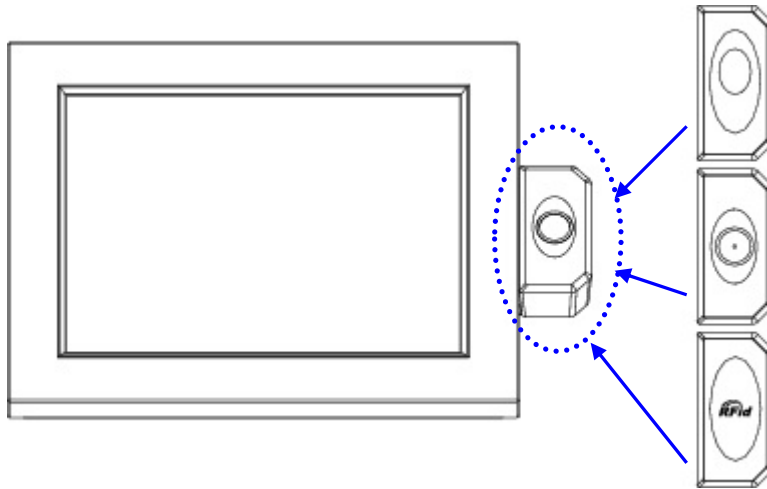
For 12.1" system



1. Inverter location
2. Disconnect the cables (x3) on the inverter board. remove the screws (x2) on the inverter board

3-8 Install Fingerprint, iButton, RFID

Fingerprint, iButton, RFID are supposed to be assembled at the same place of the system.



1. The modules can be fixed to the system by fastening screws (x2) on the back.

4 Specification

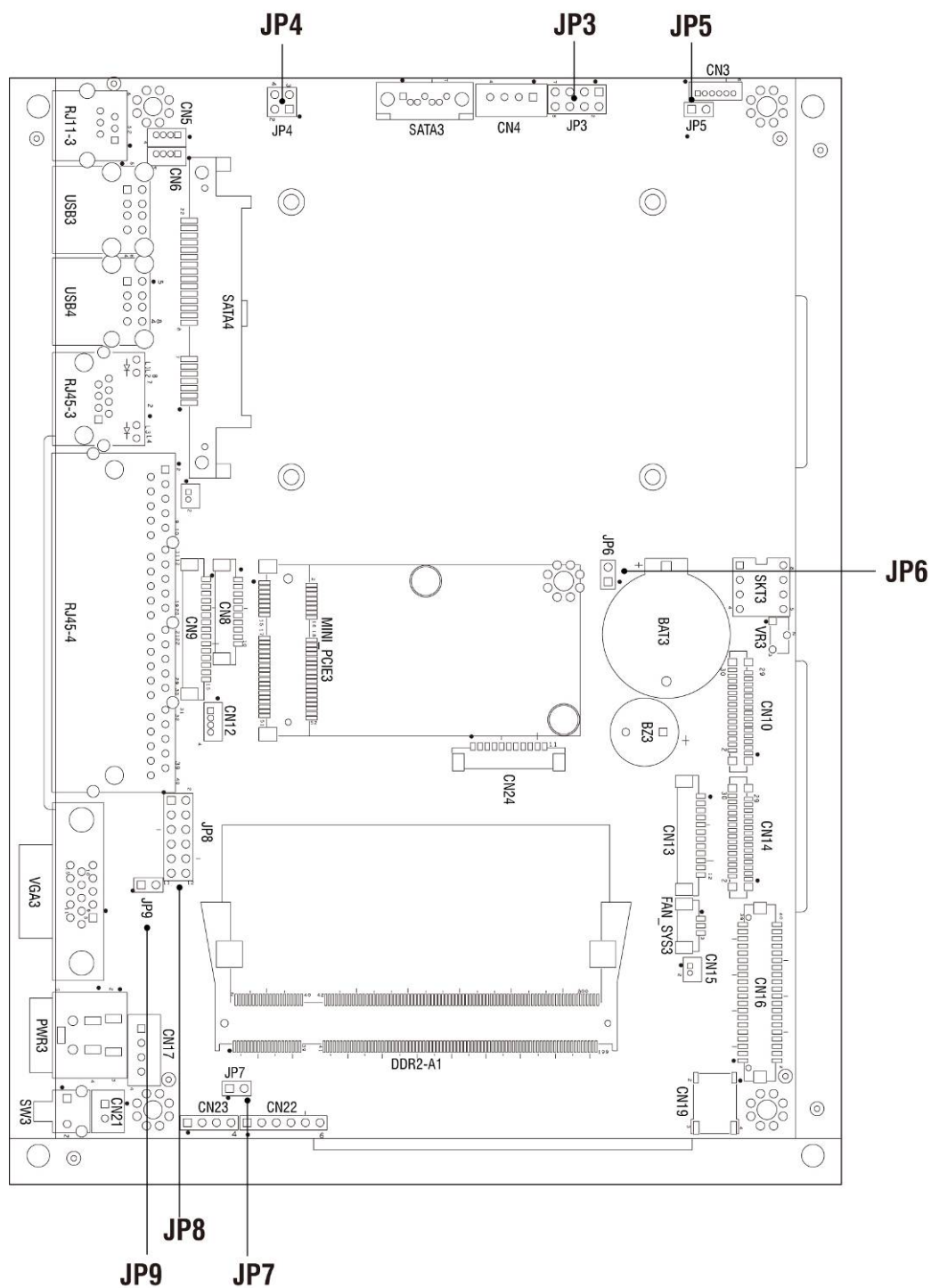
Model	K784	K785	K786	K784	K785	K786
Motherboard	C36 v1.1			C46 v1.0		
CPU Supports	intel Atom processors N270 1.6G L2 512K FSB 533Mhz			Intel Pineview D525 dual core 1.8G, L2 1M, FSB667Mhz		
Chipset	Intel 945GSE Express chipset + ICH7M			CPU integrated graphic + ICH8M		
System Memory	1 x DDR2 DIMM up to 2GB FSB533Mhz			1x DDR3 DIMM socket up to 2G, FSB 667Mhz/800Mhz		
Graphic Memory	Intel GMA 950 share system memory up to 224MB			Intel GMA 3150 share system memory up to 256MB		
BIOS	Phoenix-Award PnP			AMI		
LCD Panel						
LCD Size	8.4"	10.4"	12.1"	8.4"	10.4"	12.1"
Maximal Resolution	800 x 600	800 x 600	800 x 600 1024 X 768	800 x 600	800 x 600	800 x 600 1024 X 768
Touch Screen Type	Resistive			Resistive		
Storage						
HDD	1 x slim HDD bay (SATA)			1 x slim HDD bay (SATA)		
Flash Memory	SATA SSD Flash memory card 8G/16G/32G/64G (option)			SATA SSD Flash memory card 8G/16G/32G/64G (option)		
Expansion						
Mini-PCI e Socket	1			1		
Rear I / O						
USB	4 (USB 2.0)					
Serial/COM	4 x RJ45 (COM1/COM2 standard COM, COM3/COM4 pin 9 +5V/+12V power by jumper)			4 x RJ45 (COM1/COM2 standard COM., COM3 /COM4 pin9 power by BIOS setting)		
LAN (10 / 100/1000)	1					
2nd VGA	1 (DB-15 Female)					
Cash Drawer Port	1 (12V/24V cash drawer)					
Mic-in	NA	1	1	NA	1	1

Model	K784	K785	K786	K784	K785	K786
Motherboard	C36 v1.1			C46 v1.0		
Line-out	NA	1	1	NA	1	1
DC Jack	1					
Power button	1					
Audio						
Speaker	2 x 2W speaker					
Peripheral						
Input Device						
MSR	Standard integrated 3 Track MSR (USB)					
Finger Print	Optical Finger Printer Reader (USB, option)					
RFID	RFID reader (USB, option)					
iButton	Dollars Key iButton Reader (COM, option)					
Power						
Power Supply	External 65W DC adapter 19V 3.4A					
EMC & Safety	FCC /CE Class A, LVD			FCC /CE Class A, LVD		
Operating Temperature	5 °C ~ 35 °C (41 °F ~ 95 °F)			5 °C ~ 35 °C (41 °F ~ 95 °F)		
Storage Temperature	-20 °C ~ 55 °C (-4 °F ~ 140 °F)			-20 °C ~ 55 °C (-4 °F ~ 140 °F)		
Operating Humidity	20% - 80% RH non condensing			20% - 80% RH non condensing		
Storage Humidity	20% - 85% RH non condensing			20% - 85% RH non condensing		
Communication						
Wireless LAN	mini PCI e wireless LAN card 802.11 b/g/n					
Dimension (WxDxH)	230 x 50 x 188mm	279 x 50 x 227mm	323 x 55 x 262mm	230 x 50 x 188mm	279 x 50 x 227mm	323 x 55 x 262mm
Weight (N.W./G.W.)	1.34kgs / 1.7kgs	1.7kgs / 2.1kgs	2.5kgs / 2.9kgs	1.34kgs / 1.7kgs	1.7kgs / 2.1kgs	2.5kgs / 2.9kgs
Mounting	75mm x75mm VESA Standard holes			75mm x75mm VESA Standard holes		
OS Support	Windows® XP Professional, Windows Embedded, POSReady 2009, Windows XP Embedded, Windows XP Professional for Embedded, WinCE, Windows 7, Linux					
Remark: The specification is subject to change without prior notice						

5 Jumper Settings

5-1 C36A V1.1 Motherboard

5-1-1 Motherboard Layout



5-1-2 Connectors & Functions

Connector	Purpose
BAT3	CMOS Battery Base (Use CR2023)
CN3	Speaker & MIC Connector
CN4	Power Connector For HDD
CN5	USB5
CN6	USB7
CN9	Card Reader Connector
CN12	IrDA Connector
CN13	Inverter Connector
CN15	Power LED
CN16	LCD Interface Connector
CN21	Internal Power On Switch Connector
CN22	5 Wire Touch
CN24	FT Status Interface
DDR2_A1	DDR2 SO-DIMM
PWR3	+19V Power Adaptor
RJ11_3	Cash Drawer Connector
RJ45_3	LAN (On Board)
RJ45_4	COM1, COM2, COM3, COM4
FAN_SYS3	System FAN Connector
MINI_PCIE3	Mini PCI-E Socket
SATA3	SATA Connector
SKT3	SPI ROM
SW3	Power On Button
USB3	USB1, USB2
USB4	USB3, USB4
VGA3	VGA Port

5-1-3 Jumper Settings

Cash Drawer Power Settings

Function	JP4 (1-2) (3-4)
+12V	1 3 2 4
▲ +19V	1 3 2 4

Power Mode Settings

Function	JP5 (1-2)
▲ ATX Power	
AT Power	

CMOS Operation Mode

Function	JP6 (1-2)
▲ CMOS Normal	
CMOS Reset	

System Reset Settings:

Function	JP7 (1-2)
▲ Normal	
Reset	

▲ = Manufacturer Default Setting



OPEN



SHORT

COM3 & COM4 Power Settings

Function		JP8 (1-2) (3-4) (5-6) (7-8) (9-10) (11-12)
COM3 Pin10	▲ RI	1 3 5 7 9 11 2 4 6 8 10 12
	+5V	1 3 5 7 9 11 2 4 6 8 10 12
	+12V	1 3 5 7 9 11 2 4 6 8 10 12
COM4 Pin10	▲ RI	1 3 5 7 9 11 2 4 6 8 10 12
	+5V	1 3 5 7 9 11 2 4 6 8 10 12
	+12V	1 3 5 7 9 11 2 4 6 8 10 12

VGA Power Settings

Function	JP9 (1-2)
▲ No Power	
+12V	

▲ = Manufacturer Default Setting



OPEN



SHORT

LCD ID Settings

Panel Number	Resolution			LVDS		JP3 (1-2) (3-4) (5-6) (7-8)
				Bits	Channel	
1	1024	x	768	24	Single	1 3 5 7 □ □ ■ ■ □ □ ■ ■ 2 4 6 8
2	1280	x	1024	24	Dual	1 3 5 7 □ □ ■ □ □ □ ■ □ 2 4 6 8
3	800	x	600	18	Single	1 3 5 7 □ □ □ ■ □ □ □ ■ 2 4 6 8
4	1024	x	768	18	Single	1 3 5 7 □ □ □ □ □ □ □ □ 2 4 6 8

▲ = Manufacturer Default Setting



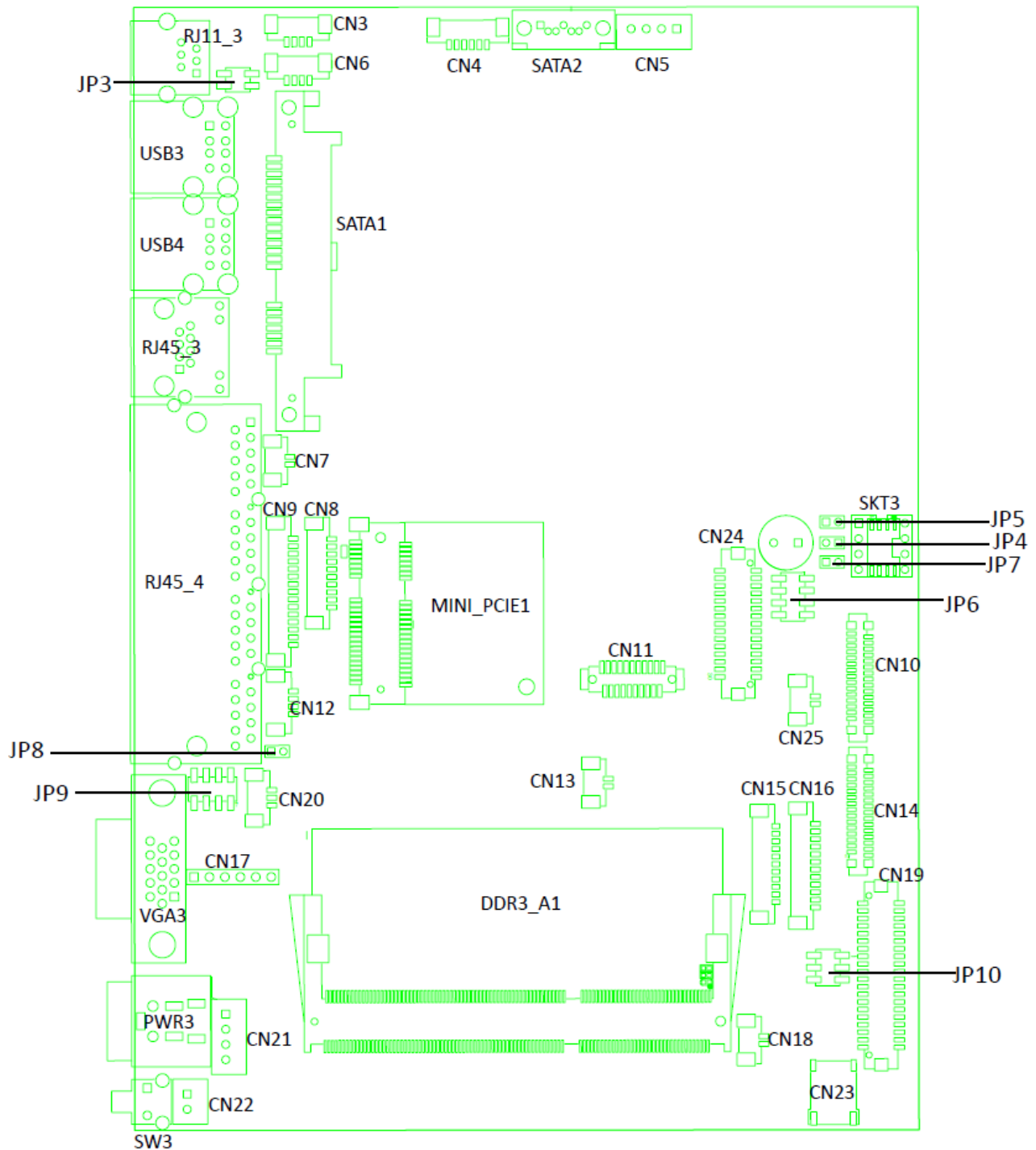
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5-2 C46 Motherboard

5-2-1 Motherboard Layout



5-2-2 Connectors & Functions

Connector	Function
CN3	USB
CN4	Speaker & MIC CONN
CN5	SATA Power
CN6	USB
CN8	For external Touch
CN9	Card reader
CN12	PS2 Keyboard
CN13	HDD LED CONN
CN16	Inverter
CN17	TUOCH
CN18	Power LED CONN
CN19	LVDS (24bit)
CN20	SYSTEM FAN
CN21	DC-JACK
CN22	POWER BOTTOM CONN
CN25	Battery CONN
PWR3	DDR3 SO-DIMM1
RJ11_3	SATA Connector
RJ45_3	SATA Connector
RJ45_4	Power Button
SATA2	CMOS Operation Mode
SKT3	VGA Port
USB3	COM2 RS232/485/422 Setting
USB4	LCD ID Setting
VGA3	Power Mode Setting
JP3	Cash Drawer power selection
JP4	AT/ATX
JP5	CMOS Operation Mode
JP6	LCD ID Setting
JP7	H/W RESET
JP8	CRT Power Setting
JP9	COM Power Setting
JP10	Inverter Selection

5-2-3 Jumper Settings

Cash Drawer Power Setting

Function	JP3 (1-2) (3-4)
▲ 19V	1 3 2 4
12V	1 3 2 4

Power Mode Setting

Function	JP4 (1-2)
▲ ATX Power	1 2
AT Power	1 2

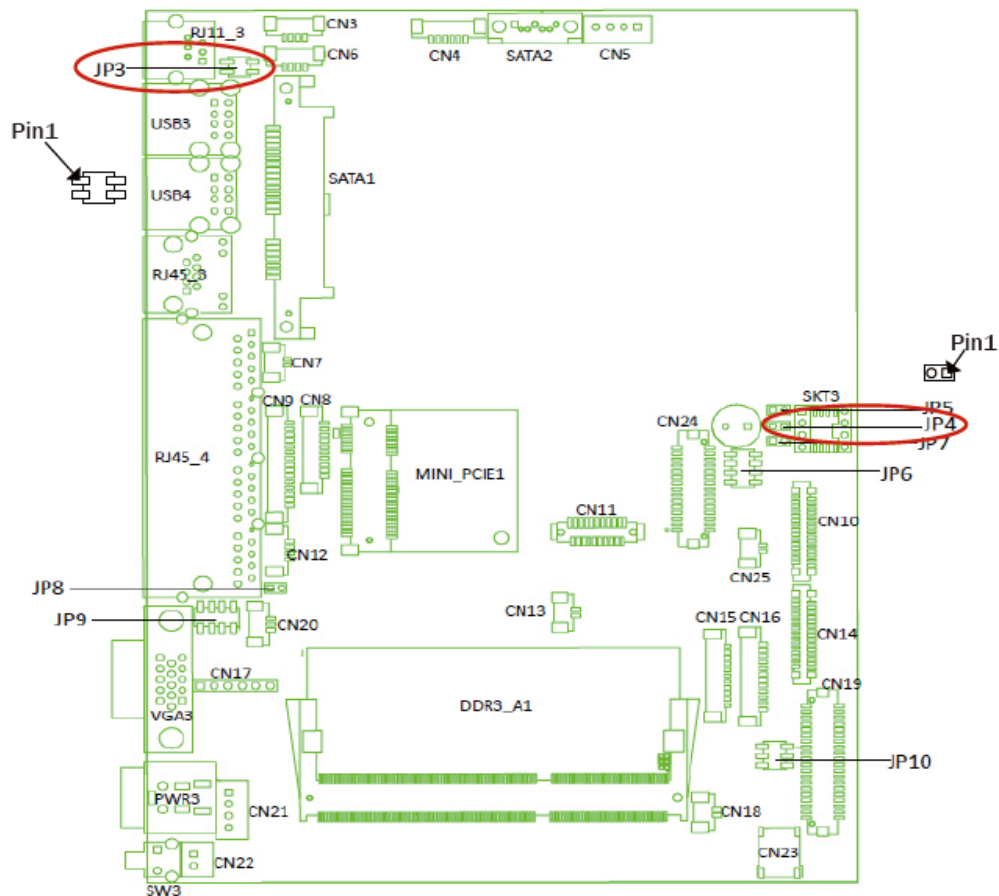
▲ = Manufacturer Default Setting



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CMOS Operation Mode

CMOS Reset

To clear the CMOS,

1. Remove the power cable from the system.
2. Open the system, and set the 'CMOS Operation jumper' from 'CMOS Normal' to 'CMOS Reset'. (refer to the jumper shown below)
3. Connect the power cable to the system, and **power on the system**:
in ATX mode: press the power button and it will fail power on
in AT mode: turn on system power
4. Remove the power cable from the system.
5. Return the "CMOS Operation mode" jumper setting from "CMOS Reset" to "CMOS normal".
6. Connect the power cable and power on the system.

CMOS Operation Mode

Function	JP5 (1-2)
▲ CMOS Normal	1  2
CMOS Reset	1  2

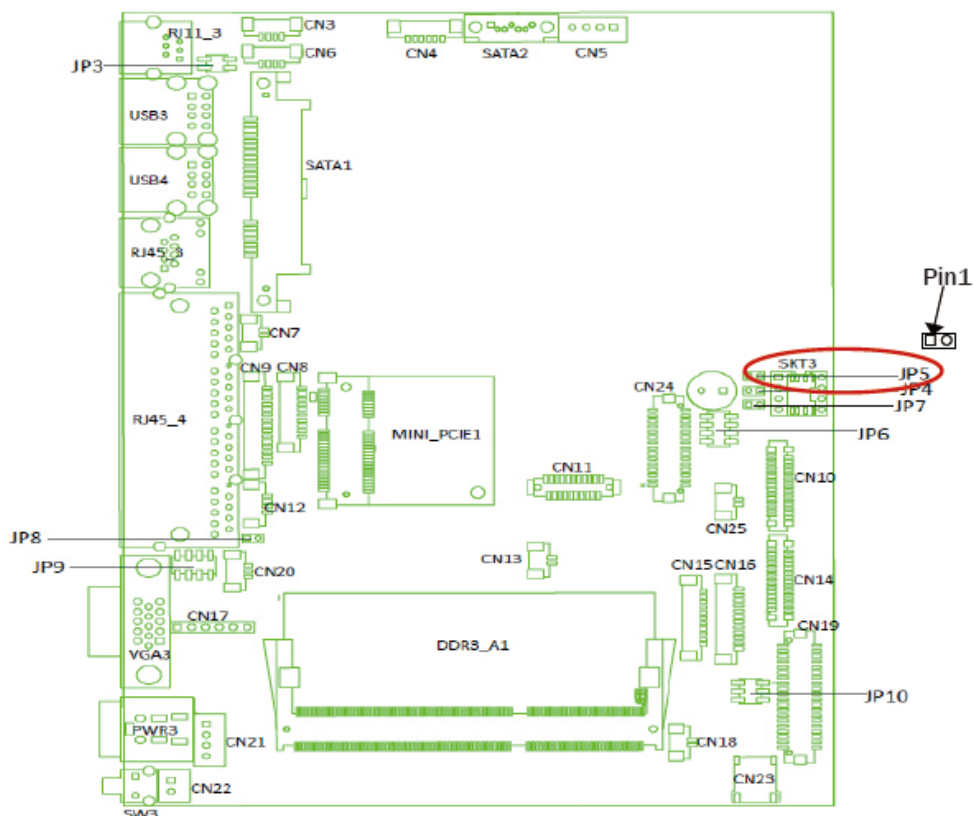
▲ = Manufacturer Default Setting



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System Reset

Function	JP7 (1-2)
▲ System Normal	1 □ 2
System Reset	1 ■ 2

CRT Power Ctrl

Function	JP8 (1-2)
▲ HW	1 ■ 2
BIOS	1 □ 2

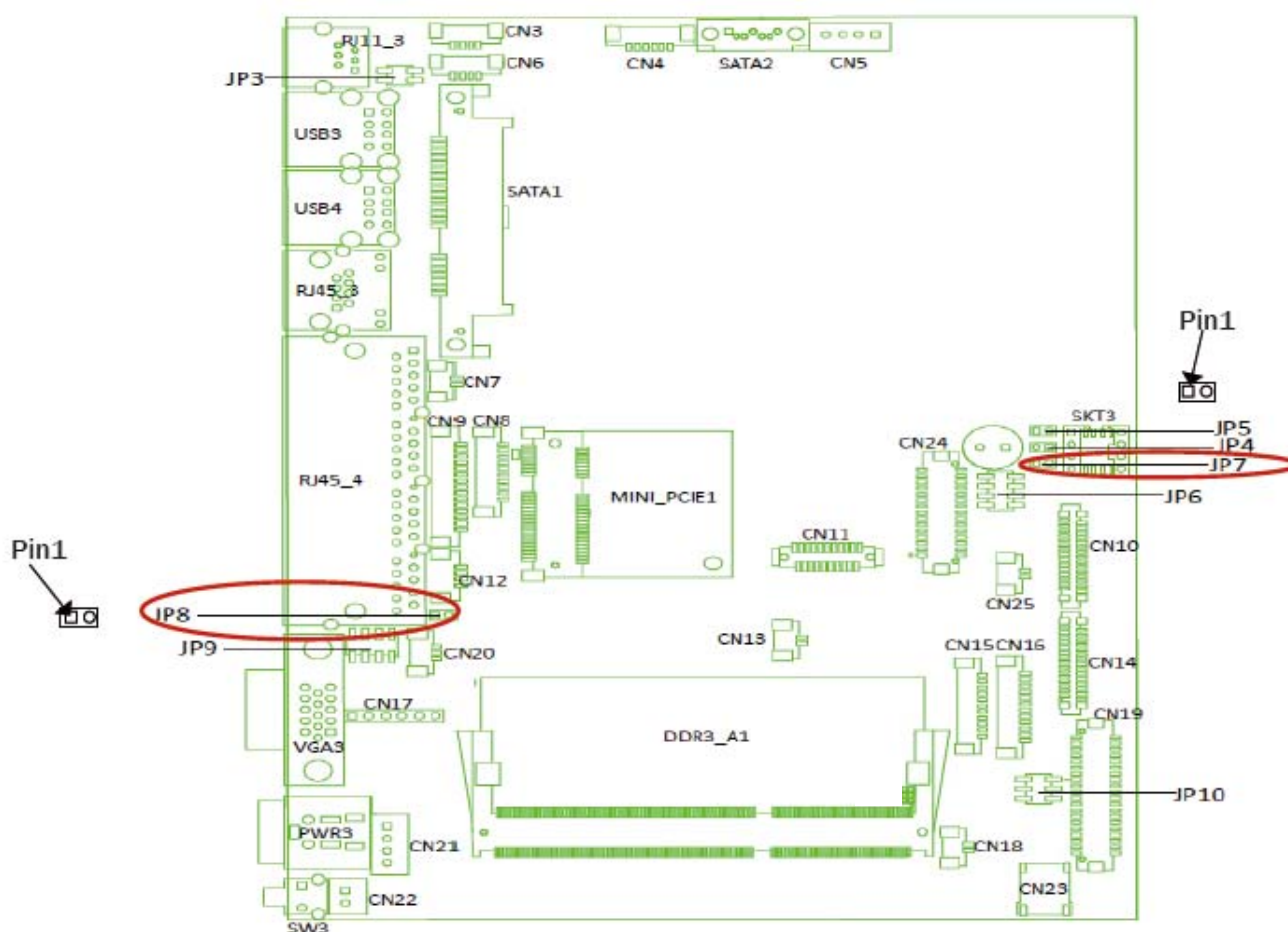
▲ = Manufacturer Default Setting



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Inverter Selection

Function	JP10 (1-2) (3-4) (5-6)
▲ CCFL	<pre> 1 3 5 □ □ ■ □ □ ■ 2 4 6 </pre>
LED	<pre> 1 3 5 ■ ■ □ ■ ■ □ 2 4 6 </pre>

COM3 & COM4 Power Setting

COM3 and COM4 can be set to provide power to your serial device.

The voltage can be set to +5V or 12V by setting jumper JP9 on the motherboard.

When enabled, the power is available on pin 10 of the RJ45 serial connector.

If you use the serial RJ45 to DB9 adapter cable, the power is on pin 9 of the DB9 connector. By default, the power option is **disabled** in the BIOS.

Enable COM3/COM4 power in BIOS

1. Power on the system, and press the <DEL> key when the system is booting up to enter the BIOS Setup utility.
2. Select the Advanced tab
3. Select **Power Configuration COM/VGA Ports** and press <Enter> to go to display the available options.
4. To enable the power, select **COM3 Power Setting** or **COM4 Power Setting** and press <Enter>. Select **Power** and press <Enter>. Save the change by pressing F10.



COM Power Setting

Function	JP9 (1-2) (3-4) (5-6) (7-8)												
▲ COM3 5V	<table><tr><td>1</td><td>3</td><td>5</td><td>7</td></tr><tr><td>■</td><td>□</td><td>□</td><td>□</td></tr><tr><td>2</td><td>4</td><td>6</td><td>8</td></tr></table>	1	3	5	7	■	□	□	□	2	4	6	8
1	3	5	7										
■	□	□	□										
2	4	6	8										
COM3 12V	<table><tr><td>1</td><td>3</td><td>5</td><td>7</td></tr><tr><td>□</td><td>■</td><td>□</td><td>□</td></tr><tr><td>2</td><td>4</td><td>6</td><td>8</td></tr></table>	1	3	5	7	□	■	□	□	2	4	6	8
1	3	5	7										
□	■	□	□										
2	4	6	8										
COM4 5V	<table><tr><td>1</td><td>3</td><td>5</td><td>7</td></tr><tr><td>□</td><td>□</td><td>■</td><td>□</td></tr><tr><td>2</td><td>4</td><td>6</td><td>8</td></tr></table>	1	3	5	7	□	□	■	□	2	4	6	8
1	3	5	7										
□	□	■	□										
2	4	6	8										
▲ COM4 12V	<table><tr><td>1</td><td>3</td><td>5</td><td>7</td></tr><tr><td>□</td><td>□</td><td>□</td><td>■</td></tr><tr><td>2</td><td>4</td><td>6</td><td>8</td></tr></table>	1	3	5	7	□	□	□	■	2	4	6	8
1	3	5	7										
□	□	□	■										
2	4	6	8										

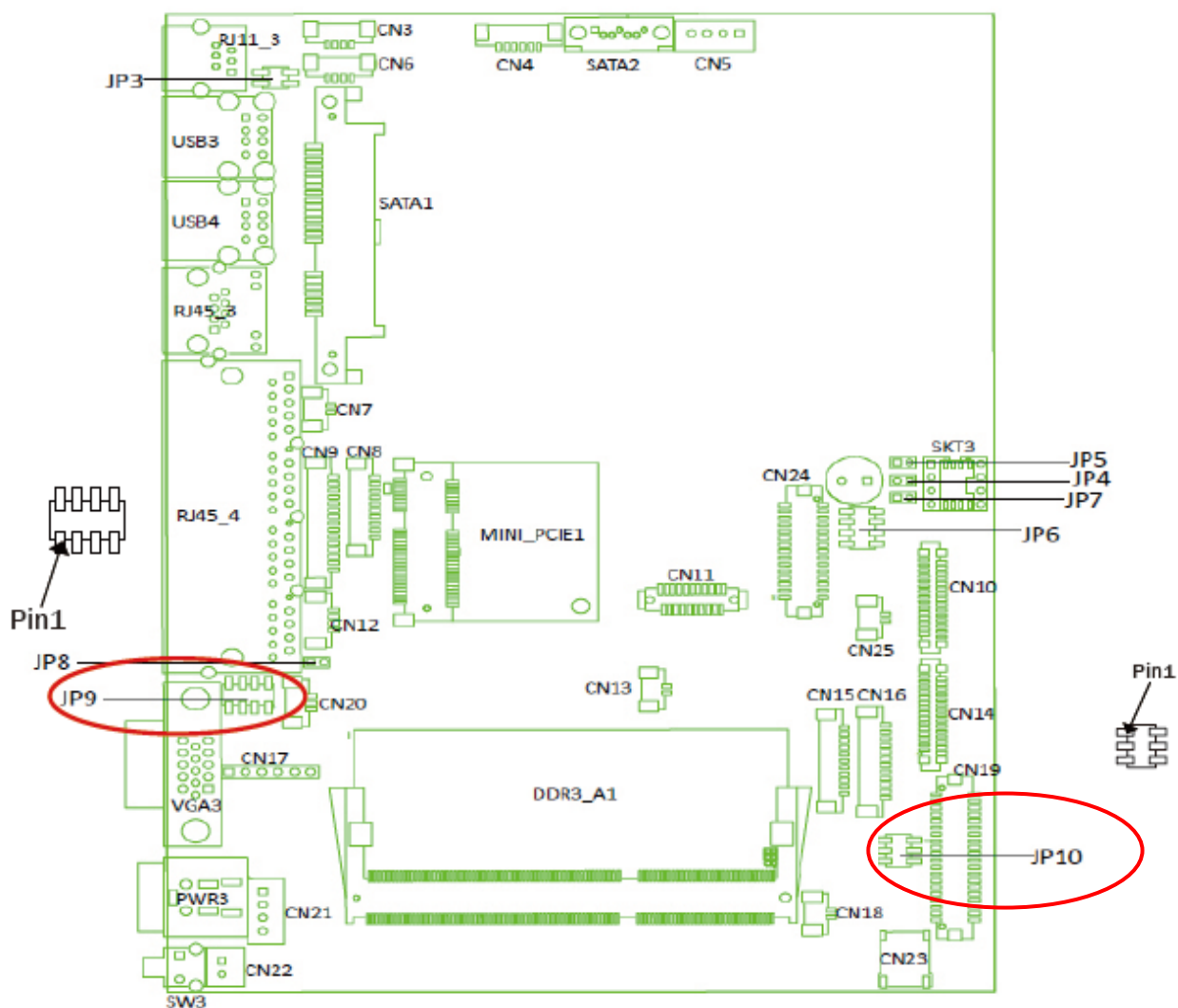
▲ = Manufacturer Default Setting



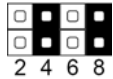
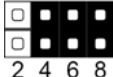
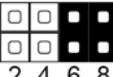
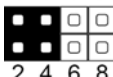
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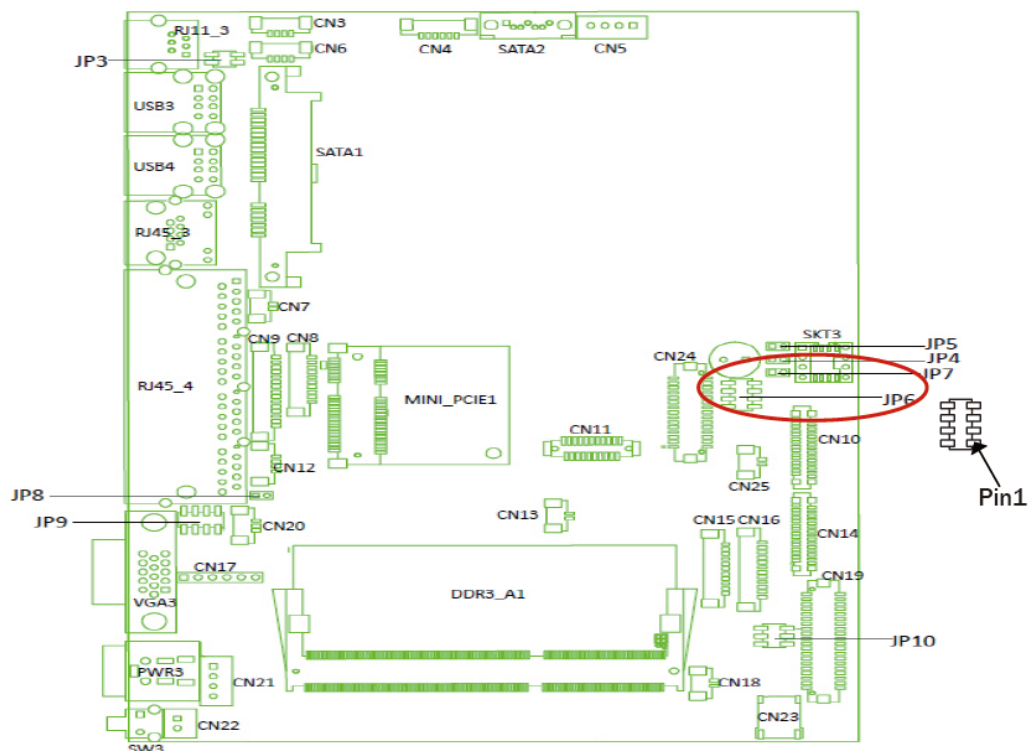
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LCD ID Setting

Resolution			LVDS/TTL		Output Interface	JP6 (1-2) (3-4) (5-6) (7-8)
			Bits	Channel		
800	x	600	24	Single	1st: LCD Panel 2nd: VGA Port	1 3 5 7  2 4 6 8
1024	x	768	24	Single		1 3 5 7  2 4 6 8
1366	x	768	24	Single		1 3 5 7  2 4 6 8
800	x	600	18	Single		1 3 5 7  2 4 6 8
*800	x	600	18	Single		1 3 5 7  2 4 6 8
1024	x	768	18	Single		1 3 5 7  2 4 6 8
					CRT only (Pineview CRT only)	1 3 5 7  2 4 6 8

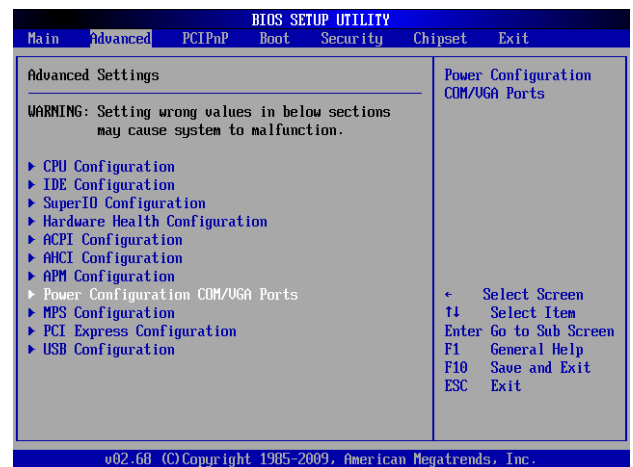
*Note: specialized for Sharp 12.1" LQ121S1LG41/LQ121S1LG42 panel.



2nd VGA Power Setting

VGA port power must be on through BIOS/Utility for default is “No Power“

1. Power on the system, and press the <DEL> key when the system is booting up to enter the BIOS Setup utility.
2. Select the Advanced tab
3. Select "Power Configuration COM/VGA Ports" and press <Enter> to go to display the available options.



4. To switch on the power, select "+12V" press <Enter>. Please Save the change by pressing F10



Appendix

Drivers Installation:

The shipping package includes a Driver CD. You can find every individual driver and utility that enables you to install the drivers in the Driver CD.

Please insert the Driver CD into the drive and double click on the “index.htm” to pick up the models. You can refer to the drivers installation guide for each driver in the “Driver/Manual List”.